INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7   G06F17/50   G06F17/13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7   G06F   G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CHOWDHRY S ET AL: "Automatic structure analysis of large scale differential algebraic systems" IMTC 2001. PROCEEDINGS OF THE 18TH. IEEE INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE. BUDAPEST, HUNGARY, MAY 21 - 23, 2001, IEEE INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE. (IMTC):, NEW YORK, NY: IEEE, US, vol. 1 OF 3. CONF. 18, 21 May 2001 (2001-05-21), pages 798-803, XP010545871 ISBN: 0-7803-6646-8 the whole document	1-18

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[X] Further documents are listed in the continuation of box C.   [ ] Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
31 January 2003	17/02/2003

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax (+31–70) 340–3016	Guingale, A

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
A	UNGER J ET AL: "Structural analysis of differential-algebraic equation systems - theory and applications" COMPUT CHEM ENG;COMPUTERS & CHEMICAL ENGINEERING AUG 1995 PERGAMON PRESS INC, TARRYTOWN, NY, USA, vol. 19, no. 8, August 1995 (1995-08), pages 867-882, XP002229560 the whole document	1-18
A	REISSIG GUNTHER ET AL: "Differential-algebraic equations of index 1 may have an arbitrarily high structural index" SIAM J. SCI. COMPUT.;SIAM JOURNAL OF SCIENTIFIC COMPUTING 2000 SOC FOR INDUSTRIAL & APPLIED MATHEMATICS PUBL, PHILADELPHIA, PA, USA, vol. 21, no. 6, 2000, pages 1987-1990, XP008013088 the whole document	1-18

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